

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2233	(junction or auxiliary or temporary) adj table	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/22 14:26
L2	2324	(junction or auxiliary or temporary) adj table	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/22 14:26
L3	393	(junction or auxiliary or temporary) adj table same (directive or (add or adding or remov\$3 or delet\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/22 14:33
L4	4	3 and many-to-many adj relationship	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/22 14:30
L5	922	many-to-many adj relationship	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/22 14:38
L6	6	5 and ((junction or auxiliary or temporary) adj table) same (directive or (add or adding or addition or remov\$3 or delet\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/22 14:33
L7	2660	many-to-many	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/22 14:37
L8	50	7 and ((junction or auxiliary or temporary) adj table) and (directive or (add or adding or addition or remov\$3 or delet\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/22 14:36
L9	483	((junction or auxiliary or temporary) adj table) same (directive or (add or adding or addition or remov\$3 or delet\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/22 14:37

EAST Search History

L10	246	((junction or auxiliary or temporary) adj table) with (directive or (add or adding or addition or remov\$3 or delet\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/22 14:37
L11	2	10 and many-to-many	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/22 14:37
L12	110	10 and "707"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/22 14:37
L13	51	12 and (search\$5 or perform\$4) with (directive or (add or adding or addition or remov\$3 or delet\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/22 14:38
L14	7	13 and (chang\$4 or modif\$5 or updat\$6 or manipul\$6) with relationship	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/22 14:39

File 347:JAPIO Dec 1976-2007/Mar(Updated 070809)

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File 350:Derwent WPIX 1963-2007/UD=200760

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Set	Items	Description
S1	935905	TABLE? ? OR MATRIX OR MATRICE? ? OR GRID? ?
S2	6984266	OBJECT? ? OR ITEM? ? OR ENTRY OR ENTRIES OR ELEMENT? ? OR - RECORD? ? OR DATA OR INFORMATION OR CONTENT
S3	209244	S2(5N)(RELATIONSHIP? ? OR RELATED? ? OR CORRELAT???? OR AS- SOCIATION? ? OR CORRESPONDENCE? ? OR LINK? ? OR LINKAGE? ?)
S4	4038084	DIRECTIVE? ? OR INSTRUCTION? ? OR COMMAND? ? OR OPERATION? ? OR FUNCTION? ? OR PROCEDURE? ?
S5	24858	S4(5N)(OPPOSITE OR REVERSE OR INVERSE OR CONVERSE)
S6	931	S5(7N)(STOR??? OR SAV??? OR RETAIN??? OR MAINTAIN??? OR KE- PT OR KEEP???)
S7	510	S5(7N)(BUFFER? ? OR QUEU???? OR CACH??? OR RAM OR MEMORY)
S8	5	S1 AND S3 AND S6:S7
S9	48	S1 AND S3 AND S5
S10	8089	S1(10N)S3
S11	20	S10 AND S5
S12	23	S8 OR S11
S13	396	S5(5N)(SEARCH??? OR FIND??? OR LOOK??? OR QUERY??? OR QUER- IE? ? OR LOCAT?????)
S14	28	S6:S7 AND S13
S15	50	S12 OR S14
S16	33	S15 AND PY=1963:2001
S17	34	S15 AND AY=1963:2001 AND AC=US
S18	38	S16:S17

18/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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05970276 **Image available**
METHOD AND SYSTEM FOR SEARCH OF MINIMUM-COST ROUTE

PUB. NO.: 10-253376 [JP 10253376 A]
PUBLISHED: September 25, 1998 (19980925)
INVENTOR(s): ONISHI KEISUKE
KIKUCHI ARATA
APPLICANT(s): ONISHI NETSUGAKU KK [418837] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 09-079107 [JP 9779107]
FILED: March 14, 1997 (19970314)
INTL CLASS: [6] G01C-021/00; G06F-017/00; G06F-017/30; G08G-001/00; G09B-029/10
JAPIO CLASS: 46.1 (INSTRUMENTATION -- Measurement); 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation); 44.9 (COMMUNICATION -- Other); 45.4 (INFORMATION PROCESSING -- Computer Applications)

ABSTRACT

PROBLEM TO BE SOLVED: To obtain a method and a system in which a minimum-cost route can be searched at high speed by a constitution wherein the minimum-cost route corresponding to a target node is traced on a table which records an exit link to be used as the minimum-cost route up to all target points from a starting point.

SOLUTION: A flag table (a) is created in such a way that a circle mark as a minimum-cost route contribution exit link for a target node is given to an exit link for a starting node found by a reverse route search processing operation using the Dijkstra method. As accompanying tables, a table (b) which indicates a range corresponding to an exit link for a node and a table (c) indicating a starting-point node and an end-point node for a link are provided. When a minimum-cost route is searched, the flag table (a) is used, a minimum-cost exist link to a target point from a starting point is first found, a link corresponding to a connection node for the exit link found from the accompanying tables (b), (c) is then found, and this operation is repeated. Thereby, all links and all nodes up to a destination are detected. The respective tables (a), (b), (c) are formed as databases.

18/5/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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02524232 **Image available**
INSTRUCTION PREFETCHING DEVICE

PUB. NO.: 63-141132 [JP 63141132 A]
PUBLISHED: June 13, 1988 (19880613)
INVENTOR(s): CHIWAKI YOSHINORI
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 61-289363 [JP 86289363]
FILED: December 03, 1986 (19861203)
INTL CLASS: [4] G06F-009/38
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JOURNAL: Section: P, Section No. 776, Vol. 12, No. 401, Pg. 75, October 25, 1988 (19881025)

ABSTRACT

PURPOSE: To improve the throughput of a memory, by finding a difference between an instruction prefetch address and a branch opposite address,

and suppressing the **instruction** prefetch of the branch **opposite** address when the difference is less than the capacitance of an instruction buffer. CONSTITUTION: In a branch instruction, a branch anticipation buffer 3 is accessed by the output of an instruction prefetch counter 2. In the above access, when the address of the branch instruction coincides with that of the branch anticipation buffer 3, a hit signal (e) and a branch opposite address signal are outputted. At this time, when the branch opposite address is smaller than the instruction prefetch address of the instruction prefetch counter 2, and also, the difference is smaller than the capacitance of the instruction buffer, it means that prefetch is performed already by the instruction prefetch, and at this time, a suppression signal (f) is outputted from a subtractor 4, and an instruction prefetch request flip-flop 1 is set via an AND gate 5, thereby, the prefetch of the branch opposite instruction is suppressed.

18/5/5 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0013267094 - Drawing available

WPI ACC NO: 2003-352895/200333

XRPX ACC No: N2003-281842

object relationship determination method for common information model, involves creating reverse link that defines relationship between instance object and corresponding association object

Patent Assignee: SUN MICROSYSTEMS INC (SUNM)

Inventor: JOHNSON T V; PAN Z Z Y; TING C C

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 20030004956	A1	20030102	US 2001895077	A	20010702	200333	B
US 7054853	B2	20060530	US 2001895077	A	20010702	200636	E

Priority Applications (no., kind, date): US 2001895077 A 20010702

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20030004956	A1	EN	28	8	

Alerting Abstract US A1

NOVELTY - A reverse link that defines a **relationship** between an instance **object** and corresponding **association object**, is created, for determining **relationship** between two instance **objects** when a **relationship** request is received.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- 1.reverse link maintenance method;
- 2.association traversal method;
- 3.association traversing system;
- 4.reverse link maintenance system;
5. object relationship tracking method;
- 6.computer readable medium storing object relationship determination program ;
- 7.computer readable medium storing reverse link maintenance program;
8. computer readable medium storing association traversal program; and

9.computer readable medium storing object relationship tracking method.

USE - For determining **relationship** between **objects** in common **information** model (CIM) for network management.

ADVANTAGE - Efficient association traversals may be performed without having to traverse each instance **object** by creating a reverse **link**.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of CIM based network.

Title Terms/Index Terms/Additional Words: OBJECT; RELATED; DETERMINE; METHOD; COMMON; INFORMATION; MODEL; REVERSE; LINK; DEFINE; INSTANCE; CORRESPOND; ASSOCIATE

Class Codes

International Classification (Main): G06F-007/00

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0017/30 A I F B 20060101

US Classification, Issued: 707100000, 707002000, 707103000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J20A; T01-S03

18/5/6 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0012865078 - Drawing available

WPI ACC NO: 2002-724009/200278

XRPX Acc No: N2002-570854

Multiprocessor system for computer cache access using lower level cache to perform lookup in reverse directory to find target entry in higher level cache

Patent Assignee: CHAUDHRY S (CHAU-I); SUN MICROSYSTEMS INC (SUNM);

TREMBLAY M (TREM-I)

Inventor: CHAUDHRY S; TREMBLAY M

Patent Family (9 patents, 99 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 2002084492	A2	20021024	WO 2002US11560	A	20020411	200278	B
US 20020178329	A1	20021128	US 2001283254	P	20010411	200281	E
			US 200261502	A	20020131		
US 6684297	B2	20040127	US 2001283254	P	20010411	200408	E
			US 200261502	A	20020131		
AU 2002250576	A1	20021028	AU 2002250576	A	20020411	200433	E
TW 567415	A	20031221	TW 2002106193	A	20020328	200444	E
KR 2004063793	A	20040714	KR 2003713186	A	20031009	200473	E
JP 2005509204	W	20050407	JP 2002582365	A	20020411	200524	E
			WO 2002US11560	A	20020411		
EP 1537485	A2	20050608	EP 2002719498	A	20020411	200537	E
			WO 2002US11560	A	20020411		
AU 2002250576	A8	20051110	AU 2002250576	A	20020411	200634	E

Priority Applications (no., kind, date): US 2001283254 P 20010411; US 200261502 A 20020131

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2002084492	A2	EN	25	6	

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY

BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
 IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
 NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN
 YU ZA ZM ZW

Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH
 GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

US 20020178329 A1 EN Related to Provisional US 2001283254
 US 6684297 B2 EN Related to Provisional US 2001283254
 AU 2002250576 A1 EN Based on OPI patent WO 2002084492
 TW 567415 A ZH
 JP 2005509204 W JA 14 PCT Application WO 2002US11560
 Based on OPI patent WO 2002084492
 EP 1537485 A2 EN PCT Application WO 2002US11560
 Based on OPI patent WO 2002084492

Regional Designated States, Original: DE FR GB
 AU 2002250576 A8 EN Based on OPI patent WO 2002084492

Alerting Abstract WO A2

NOVELTY - Multi-processor system comprises processors, a lower level cache, higher level caches configured to perform memory accesses through the lower level cache, and a reverse directory coupled to the lower level cache which includes entries for lines in the higher level caches identifying an associated entry in the lower level cache.

DESCRIPTION - The low-level cache is configured to receive requests from a higher level cache to retrieve a line from the lower level cache and if the line is present it sends the line to the higher level cache so that it can be stored there and stores information in the reverse directory to indicate that the line is stored in a high-level cache. The lower level cache also receives an update request that causes a target entry in the lower-level cache to be updated and performs a look-up in the reverse directory to determine if the target entry is contained in a higher level cache. For each higher level cache that contains the target entry it sends an invalidation request to high-level cache and updates the corresponding entry in the reverse directory to indicate that the target entry has been invalidated in the higher level cache. The reverse directory includes a fixed entry corresponding to each entry in each higher level cache, the multi-processor system is located on a single semiconductor chip, the lower level cache is an L2 cache and each higher level cache is an L1 cache. The higher level caches are organized as write-through caches and the lower-level cache has multiple banks that can be accessed in parallel. There are INDEPENDENT CLAIMS for:

- 1.A single-chip multiprocessor system
- 2.A method of data access through a lower-level cache

USE - Multiprocessor system is for using a reverse directory located at a lower-level cache to facilitate operations involving higher-level caches that perform accesses through the lower-level cache.

ADVANTAGE - System maintains directory information for L1 caches without wasting memory and invalidates an entry in an L1 cache without performing a lookup to determine the way location of the entry.

DESCRIPTION OF DRAWINGS - The figure shows a reverse directory.

Title Terms/Index Terms/Additional Words: MULTIPROCESSOR; SYSTEM; COMPUTER; CACHE; ACCESS; LOWER; LEVEL; PERFORMANCE; REVERSE; DIRECTORY; FINDER; TARGET; ENTER; HIGH

Class Codes

International Classification (Main): G06F-012/00, G06F-012/08, G06F-015/16
 US Classification, Issued: 711122000, 711133000, 711128000, 711122000,
 711128000, 711133000

File Segment: EPI;

DWPI Class: T01
Manual Codes (EPI/S-X): T01-H03A; T01-H08; T01-M02

18/5/7 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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0012467836 - Drawing available
WPI ACC NO: 2002-414167/200244
Related WPI Acc No: 2002-479213
XRPX Acc No: N2002-325592

Computer system operation method e.g. for multitasking computer system, involves inserting entry corresponding to one of multiple tasks onto locked list, to release locked list

Patent Assignee: HERSH C L (HERS-I); SULLIVAN H W (SULL-I); TODD J (TODD-I); ANTS SOFTWARE INC (ANTS-N)

Inventor: HERSH C L; SULLIVAN H W; TODD J; TODD L R J

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20020029239	A1	20020307	US 1999168861	P	19991202	200244 B
			US 2000729515	A	20001204	
US 7228549	B2	20070605	US 2000729515	A	20001204	200737 E

Priority Applications (no., kind, date): US 1999168861 P 19991202; US 2000729515 A 20001204

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20020029239	A1	EN	45	27	Related to Provisional US 1999168861

Alerting Abstract US A1

NOVELTY - Multiple memory units having corresponding memory location are established. Multiple tasks running on one processor are executed and multiple lists are defined for each memory location. The validity of data in memory unit is determined. One of the list is locked due to invalidity of data. An entry corresponding to one of the multiple tasks is inserted onto locked list and locked list is released.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.Computer system;
- 2.Process synchronizing method;
- 3.Method for performing an operation within limits upon a shared value stored in actual value location;
- 4.System for performing an operation within limits upon a shared value stored in actual value location

USE - For operation of multitasking or multi-processing computer system.

ADVANTAGE - Enhances the concurrent computation with shared resources. Minimizes the busy waits for valid data and permits tasks and processors to allocate resources more productively. By coordinating several lists, conflicts in accessing data and delays in obtaining data are minimized.

DESCRIPTION OF DRAWINGS - The figure shows a flowchart of one-last-look process.

Title Terms/Index Terms/Additional Words: COMPUTER; SYSTEM; OPERATE; METHOD ; INSERT; ENTER; CORRESPOND; ONE; MULTIPLE; TASK; LOCK; LIST; RELEASE

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0009/00 A I R 20060101

G06F-0009/00 C I R 20060101

US Classification, Issued: 709104000, 719312000, 709214000, 709215000,
709216000, 711147000, 711148000, 711149000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F02C

18/5/10 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0011059918

WPI ACC NO: 2001-522040/ 200157

XRPX Acc No: N2001-386907

Method of creating a computer program execution trace by recording a first value set associated with execution of a first instruction and determining a second value set for a second instruction by simulating instruction execution

Patent Assignee: AGARWAL A (AGAR-I); AYERS A E (AYER-I); INCERT SOFTWARE CORP (INCE-N); SCHOOLER R (SCHO-I); VERITAS OPERATING CORP (VERI-N)

Inventor: AGARWAL A; AYERS A E; SCHOOLER R

Patent Family (4 patents, 92 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2001048607	A2	20010705	WO 2000US34697	A	20001220	200157 B
AU 200129095	A	20010709	AU 200129095	A	20001220	200164 E
US 6804814	B1	20041012	US 1999474680	A	19991229	200467 E
US 20040216092	A1	20041028	US 1999474680	A	19991229	200471 E
			US 2004852935	A	20040525	

Priority Applications (no., kind, date): US 2004852935 A 20040525; US 1999474680 A 19991229

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
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WO 2001048607	A2	EN	38	4	
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National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200129095	A	EN			Based on OPI patent WO 2001048607
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US 20040216092	A1	EN			Continuation of application US 1999474680
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Alerting Abstract WO A2

NOVELTY - Value sets are recorded during execution together with an instruction trace. By simulating the execution of instructions either forwards or backwards from a first instruction to a second a value set for the second instruction can be generated. One or more probes can be inserted into the program to save variables whose value would otherwise be difficult to determine. The instruction trace may be displayed alongside, and correlated with, a data trace. A table may be maintained associating instructions encountered in the instruction trace with simulation instructions to reverse the operation of the associated program instructions.

DESCRIPTION - INDEPENDENT CLAIMS are included for

1.a system for creating a program execution trace using an instruction

trace

- 2.a computer program product for creating a program execution trace
- 3.a computer memory configured to create a program execution trace
- 4.and a method of displaying data from an execution run of a program.

USE - Tracing program execution for recovery operations after a crash.

ADVANTAGE - Enables effective recovery from crashes without excessive overheads.

Title Terms/Index Terms/Additional Words: METHOD; COMPUTER; PROGRAM; EXECUTE; TRACE; RECORD; FIRST; VALUE; SET; ASSOCIATE; INSTRUCTION; DETERMINE; SECOND; SIMULATE

Class Codes

International Classification (Main): G06F-011/00, G06F-009/44

US Classification, Issued: 717135000, 717128000, 717135000, 717128000, 717130000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F03; T01-F05A; T01-F05B; T01-F07; T01-G07; T01-J20A; T01-S03

18/5/15 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0009284779 - Drawing available

WPI ACC NO: 1999-214391/ **199918**

Related WPI Acc No: 1997-372347

XRPX Acc No: N1999-157794

Optimization problem translating system for use in efficient resource allocation

Patent Assignee: MEDIAONE GROUP INC (MEDI-N); US WEST INC (USWU-N)

Inventor: CHIU S Y; ZHU J

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 5884276	A	19990316	US 1994321950	A	19941012	199918 B
			US 1997801094	A	19970214	

Priority Applications (no., kind, date): US 1994321950 A 19941012; US 1997801094 A 19970214

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5884276	A	EN	11	5	C-I-P of application US 1994321950

Alerting Abstract US A

NOVELTY - The index link record is generated for each of the index variable. The index link records requiring expansions are linked in the **reverse** order listed in the objective **function** and one constraint relationship into expanded form. The pointer in the index link records, identifies the next variable requiring expansion.

DESCRIPTION - The index link records are generated to eliminate the need of symbol **table** and several temporary data records. The reverse order effectively reduces the number of pointer traversals needed during expansion processing. The solution based on the expanded form is displayed and the resource is allocated based on the displayed expanded form. The index link record includes definition and expansion information.

USE - For efficient resource allocation used in telephone network

inventory control, materials, operation management, data routing services.

ADVANTAGE - The index link records are linked in reverse order so as to reduce number of traversals performed during expansion processing. The index link records eliminate the need of symbol table and several temporary data records.

DESCRIPTION OF DRAWINGS - The figure represents block diagram of translating system and flowchart illustrating step involved.

Title Terms/Index Terms/Additional Words: PROBLEM; TRANSLATION; SYSTEM; EFFICIENCY; RESOURCE; ALLOCATE

Class Codes

International Classification (Main): G06F-017/60

US Classification, Issued: 705008000, 705007000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F02C2; T01-J05A

18/5/18 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0008264359 - Drawing available

WPI ACC NO: 1997-372347/ **199734**

Related WPI ACC No: 1999-214391

XRFX ACC No: N1997-309257

Method of translating optimisation problem in resource allocation system - involves generating index link record for each of index variables so as to eliminate need for symbol table and number of temporary data records

Patent Assignee: US WEST TECHNOLOGIES INC (USWT-N)

Inventor: QIU Y; ZHU J

Patent Family (1 patents, 1 countries)

Patent

Application

Number

Kind

Date

Number

Kind

Date

Update

US 5649113

A

19970715

US 1994321950

A

19941012

199734

B

Priority Applications (no., kind, date): US 1994321950 A 19941012

Patent Details

Number

Kind

Lan

Pg

Dwg

Filing Notes

US 5649113

A

EN

11

5

Alerting Abstract US A

The method involves generating an index link record for each of the index variables so as to eliminate the need for the symbol table and the number of temporary data records. The index link records of the index variables are linked.

The index link records requires expansion in a reverse order of the order listed in the objective function and the at least one constraint relationship into an expanded form so as to reduce the number of traversals performed during expansion processing. The index link records has a pointer for identifying the next index variable requiring expansion. The resource are allocated based on the expanded form.

ADVANTAGE - Eliminates needs to keep redundant information regarding index variable during expansion process.

Title Terms/Index Terms/Additional Words: METHOD; TRANSLATION; OPTIMUM; PROBLEM; RESOURCE; ALLOCATE; SYSTEM; GENERATE; INDEX; LINK; RECORD; VARIABLE; SO; ELIMINATE; NEED; SYMBOL; TABLE; NUMBER; TEMPORARY; DATA

Class Codes

International Classification (Main): G06F-017/60

US Classification, Issued: 395207000, 364468050, 364468090, 395208000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B1

18/5/25 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0007837535 - Drawing available

WPI ACC NO: 1996-467023/ **199647**

XRPX ACC No: N1996-393365

Client decoder for video delivery system apparatus operating on embedded bit stream - operates with CPU and stored look-up tables containing preprocessed inverse perceptual weighting and inverse transform operations

Patent Assignee: SUN MICROSYSTEMS INC (SUNM)

Inventor: CHADDHA N

Patent Family (4 patents, 7 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
EP 739139	A2	19961023	EP 1996302556	A	19960411	199647 B
JP 9139940	A	19970527	JP 199697019	A	19960418	199731 E
US 5742892	A	19980421	US 1995424703	A	19950418	199823 E
US 6266817	B1	20010724	US 1995424703	A	19950418	200146 E
			US 199862879	A	19980420	

Priority Applications (no., kind, date): US 199862879 A 19980420; US 1995424703 A 19950418

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 739139	A2	EN	16	3	
Regional Designated States, Original: DE FR GB NL SE					
JP 9139940	A	JA	16		
US 5742892	A	EN	13		
US 6266817	B1	EN			Continuation of application US 1995424703
					Continuation of patent US 5742892

Alerting Abstract EP A2

The circuit has a CPU coupled to a memory unit holding a look-up table which includes preprocessed functions. These represent inverses of functions on codewords performed by the server in providing the bit stream. A circuit processes the information in the bit stream, and decodes a spatial resolution image by decompressing base layer data.

The circuit also decodes a second, higher, spatial resolution image by decompressing to obtain a first intermediate image. This is up-sampled to yield an image to which is added decompressed error data in a first enhancement layer contained in the bit stream.

ADVANTAGE - Maximises use of network resources and minimises user-contention conflicts. Enables server to output single embedded data stream from which decoders extract video having different spatial and temporal resolutions and data rates. Does not require specialised hardware. Includes error resilience.

Title Terms/Index Terms/Additional Words: CLIENT; DECODE; VIDEO; DELIVER; SYSTEM; APPARATUS; OPERATE; EMBED; BIT; STREAM; CPU; STORAGE; LOOK-UP; TABLE; CONTAIN; INVERSE; WEIGHT; TRANSFORM

Class Codes

International Classification (Main): H04N-007/12, H04N-007/16, H04N-007/24, H04N-007/26

(Additional/Secondary): H03M-007/30, H04B-001/66, H04N-001/41, H04N-011/02
, H04N-011/04
US Classification, Issued: 455005100, 348400000, 348398000, 348416000,
348417000, 348422000, 725146000, 375240110, 375240220, 348413100,
348402010, 348403010

File Segment: EPI;
DWPI Class: T01; W02; W04
Manual Codes (EPI/S-X): T01-J10A1; W02-F05A3C; W02-F07; W04-P01A

18/5/27 (Item 25 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0007808181 - Drawing available
WPI ACC NO: 1996-436106/ **199644**
XRPX Acc No: N1996-367500

Storage medium unit used in interactive video systems - stores information data, has table mechanism memorising data representing relationship between routing information and data, stores program data in memory, interface transmits data with routing information in packet to router

Patent Assignee: SONY EURO BV (SONY); SONY EUROPA BV (SONY); SONY TELECOM EURO NV (SONY)

Inventor: BARRAUD C; DE VOS J

Patent Family (10 patents, 69 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
EP 735762	A1	19961002	EP 1995200818	A	19950331	199644	B
WO 1996031058	A1	19961003	WO 1996EP1413	A	19960328	199645	E
AU 199654985	A	19961016	AU 199654985	A	19960328	199706	E
TW 312880	A	19970811	TW 1995111671	A	19951103	199746	E
JP 11509952	W	19990831	JP 1996528953	A	19960328	199946	E
			WO 1996EP1413	A	19960328		
KR 1998703632	A	19981205	WO 1996EP1413	A	19960328	200006	E
			KR 1997707031	A	19970930		
EP 735762	B1	20000705	EP 1995200818	A	19950331	200035	E
DE 69517793	E	20000810	DE 69517793	A	19950331	200045	E
			EP 1995200818	A	19950331		
US 6411773	B1	20020625	WO 1996EP1413	A	19960328	200246	E
			US 1998930474	A	19980120		
JP 3557217	B2	20040825	JP 1996528953	A	19960328	200456	E
			WO 1996EP1413	A	19960328		

Priority Applications (no., kind, date): EP 1995200818 A 19950331

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 735762	A1	EN	28	18	
Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE					
WO 1996031058	A1	EN	47	18	
National Designated States,Original: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN					
Regional Designated States,Original: AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG					
AU 199654985	A	EN			Based on OPI patent WO 1996031058
TW 312880	A	ZH			
JP 11509952	W	JA	53		PCT Application WO 1996EP1413
					Based on OPI patent WO 1996031058
KR 1998703632	A	KO			PCT Application WO 1996EP1413
					Based on OPI patent WO 1996031058
EP 735762	B1	EN			

Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IE IT LI
LU MC NL PT SE

DE 69517793 E DE

US 6411773 B1 EN

JP 3557217 B2 JA 19

Application EP 1995200818

Based on OPI patent EP 735762

PCT Application WO 1996EP1413

Based on OPI patent WO 1996031058

PCT Application WO 1996EP1413

Previously issued patent JP 11509952

Based on OPI patent WO 1996031058

Alerting Abstract EP A1

The storage medium unit includes a storage unit for storing information data and a table mechanism for memorising data representing a relationship between routing information and the information data. A memory stores program data to control the operation of the storage unit.

A controller controls the storage unit, the table mechanism and the memory based on the program data. An interface transmits the information data with the routing information for the given information data in the form of a packet to the routing mechanism. Preferably, the program data are downloaded into the storage medium unit through the interface to the memory. The information data are video and/or audio data.

USE/ADVANTAGE - Cable TV system with ATM switch. Provides still, fast forward, reverse mode and mosaic mode operations as in video cassette recorder.

Title Terms/Index Terms/Additional Words: STORAGE; MEDIUM; UNIT; INTERACT;
VIDEO; SYSTEM; INFORMATION; DATA; TABLE; MECHANISM; MEMORY; REPRESENT;
RELATED; ROUTE; PROGRAM; INTERFACE; TRANSMIT; PACKET; ROUTER

Class Codes

International Classification (Main): G11B-020/10, H04L-029/10, H04N-005/781
, H04N-007/173

(Additional/Secondary): H04N-005/76, H04N-005/761

US Classification, Issued: 386125000, 386083000, 386046000

File Segment: EPI;

DWPI Class: T01; W01; W02; W04

Manual Codes (EPI/S-X): T01-H07C; W01-A03B1; W01-A06B5B; W01-A06G2;

W02-F05A3C; W02-K03; W04-J05; W04-K05

18/5/37 (Item 35 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0002265741

WPI ACC NO: 1981-H8203D/ 198134

Digital control process for colour separation for printing - storing
digital measuring signal in RAM used as inverse function table
memory

Patent Assignee: DAINIPPON SCREEN SEIZO KK (DNIS)

Inventor: HIROSAWA M; HOROSAWA M

Patent Family (7 patents, 5 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
GB 2069179	A	19810819	GB 1981377	A	19810107	198134 B
FR 2473193	A	19810710				198135 E
DE 3100208	A	19820121	DE 3100208	A	19810107	198204 E
US 4395752	A	19830726	US 1980218687	A	19801222	198332 E
GB 2069179	B	19840314				198411 E
IL 61821	A	19840229				198428 E
DE 3100208	C	19880601	DE 3100208	A	19810107	198822 E

Priority Applications (no., kind, date): JP 19801017 A 19800108; JP 1980133442 A 19800924

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
GB 2069179	A	EN	12			
IL 61821	A	EN				

Alerting Abstract GB A

A measuring mode is brought into operation when double-throw switches (101,103) are connected to second contacts (B) during the dead-time of equipment with which the object to be controlled is associated and a control mode when contacts (A) are made and the equipment is operational. During the measuring mode, an analogue signal (X) produced from a digital measuring signal (x) by a D/A converter (104) is treated as input to the object to be controlled. The digital measuring signal (x) is also written into and stored in a random access memory (RAM) (102) used as an inverse function table memory, as data (beta).

The output signal (Y) produced by the object to be controlled is digitized by an A/D converter (106) to form a signal (y) which forms the address alpha of the data beta. During the control mode, a digital control input signal is fed to RAM (102) as an address so that the data (beta) associated with that address is fed to the object to be controlled as a measuring signal (x) ensuring that the output signal of the object to be controlled is related by a given function to the control signal input to the object. An arbitrary input function is provided by a ROM (108).

Equivalent Alerting Abstract DE C

The signal converter linearisation circuit uses periodic alternation between a measuring mode and a control mode for linearising the variations in the input/output characteristic. During the measuring mode a linear function corresponding to the operating range of the original converter is supplied, with simultaneous read-out of the stored data from a random-access memory in dependence on the response of the signal converter. During the control mode the data values obtained by application of control signals to the address inputs of the random-access memory are used as linearisation control signals.

ADVANTAGE - Allows rapid linearisation of input/output characteristic. (10pp)

File 348:EUROPEAN PATENTS 1978-2007/ 200738

(c) 2007 European Patent Office

File 349:PCT FULLTEXT 1979-2007/UB=20070913UT=20070906

(c) 2007 WIPO/Thomson

Set	Items	Description
S1	882325	TABLE? ? OR MATRIX OR MATRICE? ? OR GRID? ?
S2	2133911	OBJECT? ? OR ITEM? ? OR ENTRY OR ENTRIES OR ELEMENT? ? OR - RECORD? ? OR DATA OR INFORMATION OR CONTENT
S3	240072	S2(5N)(RELATIONSHIP? ? OR RELATED? ? OR CORRELAT???? OR AS- SOCIATION? ? OR CORRESPONDENCE? ? OR LINK? ? OR LINKAGE? ?)
S4	1796957	DIRECTIVE? ? OR INSTRUCTION? ? OR COMMAND? ? OR OPERATION? ? OR FUNCTION? ? OR PROCEDURE? ?
S5	42920	S4(5N)(OPPOSITE OR REVERSE OR INVERSE OR CONVERSE)
S6	1115	S5(7N)(STOR??? OR SAV??? OR RETAIN??? OR MAINTAIN??? OR KE- PT OR KEEP???)
S7	791	S5(7N)(BUFFER? ? OR QUEU???? OR CACH??? OR RAM OR MEMORY)
S8	656	S5(5N)(SEARCH??? OR FIND??? OR LOOK??? OR QUERY??? OR QUER- IE? ? OR LOCAT????)
S9	15997	S1(10N)S3
S10	115	S9 AND S6:S7
S11	55	S8(50N)S6:S7
S12	13	S9 AND S11
S13	2	S9(100N)S6:S7(100N)S8
S14	24427	S1(30N)S3
S15	2	S14(100N)S6:S7(100N)S8
S16	22	S9(100N)S6:S7
S17	34	S12 OR S13 OR S16
S18	31	S17 AND PY=1978:2001
S19	7	S17 AND (AC=US OR AC=US/PR) AND AY=1978:2001
S20	31	S18:S19
S21	31	IDPAT (sorted in duplicate/non-duplicate order)
S22	21	S17 NOT S11

21/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00787596

Storage medium unit

Speichereinheit

Unite de stockage

PATENT ASSIGNEE:

Sony Service Centre (Europe) N.V., (2665702), Technologielaan 7, 1840
Londerzeel, (BE), (Proprietor designated states: all)

INVENTOR:

De Vos, Johan, c/o Sony Telecom (Europe) N.V. Luchtshipstraat 55, B-1130
Brussel, (BE)

LEGAL REPRESENTATIVE:

Land, Addick Adrianus Gosling et al (59332), Arnold & Siedsma, Advocaten
en Octrooigemachtigden, Sweelinckplein 1, 2517 GK Den Haag, (NL)

PATENT (CC, No, Kind, Date): EP 735765 A1 961002 (Basic)
EP 735765 B1 020619

APPLICATION (CC, No, Date): EP 95200822 950331;

PRIORITY (CC, No, Date): EP 95200822 950331

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE

INTERNATIONAL PATENT CLASS (V7): H04N-007/173

ABSTRACT WORD COUNT: 104

NOTE:

Figure number on first page: 4

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	160
CLAIMS B	(English)	200225	217
CLAIMS B	(German)	200225	198
CLAIMS B	(French)	200225	274
SPEC A	(English)	EPAB96	7833
SPEC B	(English)	200225	7748
Total word count - document A			7993
Total word count - document B			8437
Total word count - documents A + B			16430

...SPECIFICATION load a suitable down-loadable software program to the set top box according to the **table** therein representing **relationship** between service **item** identification and service item provider. When the request is provided from the service item provider...

...or audio data is directly output to the ATM switch 1 without routing by the **storage** medium manager 62.

Next, full VCR **functions**, for example fast forward, **reverse**, fast reverse and still play mode will be explained. In the full VCR function, an...

...SPECIFICATION load a suitable down-loadable software program to the set top box according to the **table** therein representing **relationship** between service **item** identification and service item provider. When the request is provided from the service item provider...

...or audio data is directly output to the ATM switch 1 without routing by the **storage** medium manager 62.

Next, full VCR **functions**, for example fast forward, **reverse**, fast reverse and still play mode will be explained. In the full VCR function, an...

21/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00787594

A system for information on demand, including respective control means
Verfahren fur Information-auf-Anfrage mit entsprechender Steuervorrichtung
Systeme d'information a la demande avec dispositif de commande respectif

PATENT ASSIGNEE:

Sony Europa B.V., (2226970), Schipholweg 275, 1171 PK Badhoevedorp, (NL)
, (Proprietor designated states: all)

INVENTOR:

De Vos, Johan, c/o Sony Telecom (Europe) N.V., Luchtschipstraat 55,
B-1130 Brussel, (BE)
Copejans, Gert, c/o Sony Telecom (Europe) N.V., Luchtschipstraat 55,
B-1130 Brussel, (BE)
Aerts, Ives, c/o Sony Telecom (Europe) N.V., Luchtschipstraat 55, B-1130
Brussel, (BE)
Wybouw, Erik, c/o Sony Telecom (Europe) N.V., Luchtschipstraat 55, B-1130
Brussel, (BE)

LEGAL REPRESENTATIVE:

Land, Addick Adrianus Gosling et al (59332), Arnold & Siedsma, Advocaten
en Octrooigemachtigden, Sweelinckplein 1, 2517 GK Den Haag, (NL)

PATENT (CC, No, Kind, Date): EP 735764 A1 961002 (Basic)

EP 735764 B1 000726

APPLICATION (CC, No, Date): EP 95200820 950331;

PRIORITY (CC, No, Date): EP 95200820 950331

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE

INTERNATIONAL PATENT CLASS (V7): H04N-007/173

ABSTRACT WORD COUNT: 162

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200030	471
CLAIMS B	(German)	200030	363
CLAIMS B	(French)	200030	558
SPEC B	(English)	200030	7833
Total word count - document A			0
Total word count - document B			9225
Total word count - documents A + B			9225

...SPECIFICATION load a suitable down-loadable software program to the set
top box according to the **table** therein representing **relationship**
between service **item** identification and service item provider. When the
request is provided from the service item provider...

...or audio data is directly output to the ATM switch 1 without routing by
the **storage** medium manager 62.

Next, full VCR **functions**, for example fast forward, **reverse**, fast
reverse and still play mode will be explained. In the full VCR function,
an...

21/3,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00787592

Storage medium unit for storing information data, preferably video data
and/or audio data

**Speichereinheit zur Aufzeichnung von Informationsdaten vorzugsweise von
Video- und/oder Audiodaten
Unite de stockage pour donnees d'information, de preference pour donnees
video et/ou audio**

PATENT ASSIGNEE:

Sony Europa B.V., (2226970), Schipholweg 275, 1171 PK Badhoevedorp, (NL)
, (Proprietor designated states: all)

INVENTOR:

De Vos, Johan, c/o Sony Telecom (Europe) N.V., Luchtschipstraat 55,
B-1130 Brussel, (BE)
Barraud, Claude, c/o Sony Telecom (Europe) N.V., Luchtschipstraat 55,
B-1130 Brussel, (BE)

LEGAL REPRESENTATIVE:

Land, Addick Adrianus Gosling et al (59332), Arnold & Siedsma, Advocaten
en Octrooigemachtigden, Sweelinckplein 1, 2517 GK Den Haag, (NL)

PATENT (CC, No, Kind, Date): EP 735762 A1 961002 (Basic)

EP 735762 B1 000705

APPLICATION (CC, No, Date): EP 95200818 950331;

PRIORITY (CC, No, Date): EP 95200818 950331

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE

INTERNATIONAL PATENT CLASS (V7): H04N-007/173

ABSTRACT WORD COUNT: 122

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200027	512
CLAIMS B	(German)	200027	400
CLAIMS B	(French)	200027	629
SPEC B	(English)	200027	7747
Total word count - document A			0
Total word count - document B			9288
Total word count - documents A + B			9288

...SPECIFICATION load a suitable down-loadable software program to the set
top box according to the **table** therein representing **relationship**
between service **item** identification and service item provider. When the
request is provided from the service item provider...

...or audio data is directly output to the ATM switch 1 without routing by
the **storage** medium manager 62.

Next, full VCR **functions**, for example fast forward, **reverse**, fast
reverse and still play mode will be explained. In the full VCR function,
an...

21/3,K/9 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00787591

A navigation system

Navigationssystem

systeme de navigation

PATENT ASSIGNEE:

Sony Service Centre (Europe) N.V., (2665702), Technologielaan 7, 1840
Londerzeel, (BE), (Proprietor designated states: all)

INVENTOR:

De Vos, Johan, c/o Sony Telecom (Europe) N.V. Luchtschipstraat 55, B-1130
Brussel, (BE)

Barraud, Claude, c/o Sony Telecom (Europe) N.V. Luchtschipstraat 55,
B-1130 Brussel, (BE)
LEGAL REPRESENTATIVE:
Land, Addick Adrianus Gosling et al (59332), Arnold & Siedsma, Advocaten
en Octrooigemachtigden, Sweelinckplein 1, 2517 GK Den Haag, (NL)
PATENT (CC, No, Kind, Date): EP 735761 A1 961002 (Basic)
EP 735761 B1 020703
APPLICATION (CC, No, Date): EP 95200817 950331;
PRIORITY (CC, No, Date): EP 95200817 950331
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE
INTERNATIONAL PATENT CLASS (V7): H04N-007/173
ABSTRACT WORD COUNT: 173
NOTE:
Figure number on first page: 8

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	580
CLAIMS B	(English)	200227	656
CLAIMS B	(German)	200227	579
CLAIMS B	(French)	200227	725
SPEC A	(English)	EPAB96	7972
SPEC B	(English)	200227	7689
Total word count - document A			8553
Total word count - document B			9649
Total word count - documents A + B			18202

...SPECIFICATION load a suitable down-loadable software program to the set top box according to the **table** therein representing **relationship** between service **item** identification and service item provider. When the request is provided from the service item provider...

...or audio data is directly output to the ATM switch 1 without routing by the **storage** medium manager 62.

Next, full VCR **functions**, for example fast forward, **reverse**, fast reverse and still play mode will be explained. In the full VCR function, an...

...SPECIFICATION load a suitable down-loadable software program to the set top box according to the **table** therein representing **relationship** between service **item** identification and service item provider. When the request is provided from the service item provider...

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21/3,K/10 (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00787590

A storage medium unit and video service system having a staggered recording
Speichereinheit mit versetzter Aufzeichnung
Unite de stockage et systeme de service video avec enregistrement en
quinconce

PATENT ASSIGNEE:

Sony Service Centre (Europe) N.V., (2665702), Technologielaan 7, 1840
Londerzeel, (BE), (Proprietor designated states: all)

INVENTOR:

De Vos, Johan, c/o Sony Telecom (Europe)N.V., Luchtschipstraat 55, 1130
Brussel, (BE)
Copejans, Gert, c/o Sony Telecom (Europe)N.V. Luchtschipstraat 55, B-1130
Brussel, (BE)
Goguey, Pascal, c/o Sony Telecom (Europe) N.V. Luchtschipstraat 55, B-1130
Brussel, (BE)

LEGAL REPRESENTATIVE:

Land, Addick Adrianus Gosling et al (59332), Arnold & Siedsma, Advocaten
en Octrooigemachtigden, Sweelinckplein 1, 2517 GK Den Haag, (NL)

PATENT (CC, No, Kind, Date): EP 735538 A1 961002 (Basic)

EP 735538 B1 051102

APPLICATION (CC, No, Date): EP 95200816 950331;

PRIORITY (CC, No, Date): EP 95200816 950331

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE

INTERNATIONAL PATENT CLASS (V7): G11B-027/00

ABSTRACT WORD COUNT: 80

NOTE:

Figure number on first page: 13

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	630
CLAIMS B	(English)	200544	534
CLAIMS B	(German)	200544	461
CLAIMS B	(French)	200544	636
SPEC A	(English)	EPAB96	7729
SPEC B	(English)	200544	7857
Total word count - document A			8360
Total word count - document B			9488
Total word count - documents A + B			17848

...SPECIFICATION load a suitable down-loadable software program to the set
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...or audio data is directly output to the ATM switch 1 without routing by
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...SPECIFICATION load a suitable down-loadable software program to the set
top box according to the **table** therein representing **relationship**
between service **item** identification and service item provider. When the
request is provided from the service item provider...

...or audio data is directly output to the ATM switch 1 without routing by
the **storage** medium manager 62.

Next, full VCR **functions**, for example fast forward, **reverse**, fast
reverse and still play mode will be explained. In the full VCR function,
an...

21/3,K/11 (Item 11 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00787589

A system for serving information including an archive and delivery storage
medium unit

Informationsdienstsystem mit Archiv- und Abgabespeichereinheit

systeme de service d'information avec unite de stockage pour l'archivage et la distribution

PATENT ASSIGNEE:

Sony Service Centre (Europe) N.V., (2665702), Technologielaan 7, 1840 Londerzeel, (BE), (Proprietor designated states: all)

INVENTOR:

Barraud, Claude, c/o Sony Telecom (Europe) N.V., Luchtschipstraat 55, B-1130 Brussel, (BE)

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LEGAL REPRESENTATIVE:

Land, Addick Adrianus Gosling et al (59332), Arnold & Siedsma, Advocaten en Octrooigemachtigden, Sweelinckplein 1, 2517 GK Den Haag, (NL)

PATENT (CC, No, Kind, Date): EP 735760 A1 961002 (Basic)
EP 735760 B1 020703

APPLICATION (CC, No, Date): EP 95200815 950331;

PRIORITY (CC, No, Date): EP 95200815 950331

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS (V7): H04N-007/173

ABSTRACT WORD COUNT: 247

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	694
CLAIMS B	(English)	200227	600
CLAIMS B	(German)	200227	479
CLAIMS B	(French)	200227	743
SPEC A	(English)	EPAB96	7855
SPEC B	(English)	200227	7673
Total word count - document A			8550
Total word count - document B			9495
Total word count - documents A + B			18045

...SPECIFICATION load a suitable down-loadable software program to the set top box according to the **table** therein representing **relationship** between service **item** identification and service item provider. When the request is provided from the service item provider...

...or audio data is directly output to the ATM switch 1 without routing by the **storage** medium manager 62.

Next, full VCR **functions**, for example fast forward, **reverse**, fast reverse and still play mode will be explained. In the full VCR function, an...

...SPECIFICATION load a suitable down-loadable software program to the set top box according to the **table** therein representing **relationship** between service **item** identification and service item provider. When the request is provided from the service item provider...

...or audio data is directly output to the ATM switch 1 without routing by

the **storage** medium manager 62.

Next, full VCR **functions** , for example fast forward, **reverse** , fast reverse and still play mode will be explained. In the full VCR function, an...

21/3,K/20 (Item 20 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00364219 **Image available**

**NETWORK SWITCH UTILIZING CENTRALIZED AND PARTITIONED MEMORY FOR CONNECTION
TOPOLOGY INFORMATION STORAGE
COMMUTATEUR DE RESEAU UTILISANT UNE MEMOIRE CENTRALISEE ET PARTITIONNEE
POUR LE STOCKAGE DES INFORMATIONS DE TOPOLOGIE DE CONNEXIONS**

Patent Applicant/Assignee:

ASCOM NEXION INC,
MANNING Thomas A,
CALDARA Stephen A,
HAUSER Stephen A,
SHERMAN Alan D,

Inventor(s):

MANNING Thomas A,
CALDARA Stephen A,
HAUSER Stephen A,
SHERMAN Alan D,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9704544 A1 **19970206**

Application: WO 96US11932 19960718 (PCT/WO US9611932)

Priority Application: US 951498 19950719

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP
KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD
SE SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ
MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF
CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext word Count: 8264

Patent and Priority Information (Country, Number, Date):

Patent: ... **19970206**

Fulltext Availability:

Detailed Description

Publication Year: **1997**

Detailed Description

... Output side translator look@up operation for forward signals.

3* FBCN : MQNs

output side translator **look @up operations** for **reverse** signals.

4. output port **queue #**: Input port **queue #** and Input Port#
or RBCN

(input port queue# for point to point connections
and an RBCN for point to multipoint connections)

Input side translator **look @up operation** for **reverse** signals.

5, RBCN : Input port **queue #**

With the above described arrangement, the connection topology memory (including the discrete input side memories...operation numbered 3 in Table 1) , To this

- 15

end, the FBCN:MQN look-up **table** area 150 contains **entries correlating** each FBCN to a list of MQNs, The second memory area 158 (referred to as...

...operation numbered 5 in Table 1). Thus, the RBCN:Input Port Queue number look-up **table** area 158 contains **entries correlating** each RBCN to a list of input queue numbers.

The third memory area 160 (referred...
...multipoint connections (i.e., during the look-up operations numbered 1,, 2 and 4 in Table 1) , Thus,, queue area 160 contains three types of **entries** : (1) **entries correlating** an input port queue number to an FBCN or an MQN; (2) entries correlating an...

21/3,K/22 (Item 22 from file: 349)
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00348550

**A SYSTEM FOR SERVING INFORMATION INCLUSIVE OF A STORAGE MEDIA MANAGER
SYSTEME SERVEUR D'INFORMATIONS COMPRENANT UN GESTIONNAIRE DE SUPPORTS
D'INFORMATIONS**

Patent Applicant/Assignee:

SONY TELECOM (EUROPE) N V,
DE VOS Johan,
COPEJANS Gert,

Inventor(s):

DE VOS Johan,
COPEJANS Gert,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9631063 A1 19961003
Application: WO 96EP1419 19960328 (PCT/WO EP9601419)
Priority Application: AT 495200813 19950331

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE
KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD
RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
CI CM GA GN ML MR NE SN TD TG

Publication Language: German

Fulltext Word Count: 9062

Patent and Priority Information (Country, Number, Date):

Patent: ... 19961003

Fulltext Availability:

Detailed Description

Publication Year: 1996

Detailed Description

... load a suitable

down-loadable software program to the set top box according to the **table** therein representing **relationship** between service **item** identification and service item provider. When the request is provided from the service item provider...

...or audio data is directly

output to the ATM switch 1 without routing by the **storage** medium manager 62.

Next, full VCR **functions** , for example fast for

ward, **reverse** , fast reverse and still play mode will be explained, In the full VCR function, an...

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 File 56: Computer and Information Systems Abstracts 1966-2007/Aug
 (c) 2007 CSA.
 File 60: ANTE: Abstracts in New Tech & Engineer 1966-2007/Jul
 (c) 2007 CSA.

Set	Items	Description
S1	2533492	TABLE? ? OR MATRIX OR MATRICE? ? OR GRID? ?
S2	15021590	OBJECT? ? OR ITEM? ? OR ENTRY OR ENTRIES OR ELEMENT? ? OR - RECORD? ? OR DATA OR INFORMATION OR CONTENT
S3	538102	S2(5N)(RELATIONSHIP? ? OR RELATED? ? OR CORRELAT???? OR AS- SOCIATION? ? OR CORRESPONDENCE? ? OR LINK? ? OR LINKAGE? ?)
S4	9659929	DIRECTIVE? ? OR INSTRUCTION? ? OR COMMAND? ? OR OPERATION? ? OR FUNCTION? ? OR PROCEDURE? ?
S5	33345	S4(5N)(OPPOSITE OR REVERSE OR INVERSE OR CONVERSE)
S6	173	S5(7N)(STOR??? OR SAV??? OR RETAIN??? OR MAINTAIN??? OR KE- PT OR KEEP???)
S7	145	S5(7N)(BUFFER? ? OR QUEU???? OR CACH??? OR RAM OR MEMORY)
S8	568	S5(5N)(SEARCH??? OR FIND??? OR LOOK??? OR QUERY??? OR QUER- IE? ? OR LOCAT????)
S9	10791	S1(10N)S3
S10	26	S9 AND S5
S11	8	JUNCTION()TABLE? ?
S12	0	S11 AND S5
S13	0	S3 AND S11
S14	7	S8 AND S6:S7
S15	41	S10:S11 OR S14
S16	23	RD (unique items)
S17	3	S8 AND S9
S18	3	S8 AND S1 AND S3
S19	66	S1 AND S3 AND S5
S20	66	S17:S19
S21	46	RD (unique items)
S22	29	S21 NOT S15

16/5/1 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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11471199 E.I. No: EIP07051039350
Title: A parallel linearly constrained fast RLS-algorithm based on inverse QR-decomposition without square root operations
Author: Dzhigan, V.I.
Corporate Source: GUP NPTs ELVIS, Moscow, Russian Federation
Source: Radioelectronics and Communications Systems v 48 n 12 2005. p 45-51
Publication Year: 2005
ISSN: 0735-2727
Language: English
Document Type: JA; (Journal Article) Treatment: T; (Theoretical)
Journal Announcement: 0702W2
Abstract: A parallel version of the fast RLS-algorithm of multichannel adaptive filtering with a sliding window and linear constraints is considered. The parallel computations in this algorithm are related to the possibility of independent processing of data flows dictated by modification of the correlation matrix of the adaptive filter due to sliding window and dynamic regularization. The algorithm is derived based on the generalized lemma about matrix inversion and on **inverse QR-decomposition without square root operations**. copy 2006 by Allerton Press, Inc. 14 Refs.
Descriptors: *Adaptive filtering; Algorithms; Constraint theory; **Correlation** methods; **Data** processing; **Matrix** algebra; Parallel processing systems
Identifiers: Sliding window; Correlation matrix; Matrix inversion; Square root operations
Classification Codes:
731.1 (Control Systems); 723.2 (Data Processing); 722.4 (Digital Computers & Systems); 921.6 (Numerical Methods); 922.2 (Mathematical Statistics); 921.1 (Algebra)
731 (Automatic Control Principles & Applications); 723 (Computer Software, Data Handling & Applications); 722 (Computer Hardware); 921 (Applied Mathematics); 922 (Statistical Methods)
73 (CONTROL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

16/5/2 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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11445528 E.I. No: EIP07031036683
Title: Enhanced second order algorithm applied to the capacitated minimum spanning tree problem
Author: Martins, Pedro
Corporate Source: CIO - Centro de Investigacao Operacional - FC/UL ISCAC Instituto Superior de Contabilidade, 3040-316 Coimbra, Portugal
Source: Computers and Operations Research v 34 n 8 August 2007. p 2495-2519
Publication Year: 2007
CODEN: CMORAP ISSN: 0305-0548
DOI: 10.1016/j.cor.2005.09.017
Language: English
Document Type: JA; (Journal Article) Treatment: T; (Theoretical); X; (Experimental)
Journal Announcement: 0701W3
Abstract: Given a centralized undirected graph with costs associated with its edges, the capacitated minimum spanning tree problem is to find a minimum cost spanning tree of the given graph, subject to a capacity constraint in all subtrees incident in the central node. As the problem is

NP-hard, we propose an enhanced version of the well-known second order algorithm, described in left bracket Karnaugh M. A new class of algorithms for multipoint network optimization. IEEE Transactions on Communications 1976;COM-24:500-5. right bracket . The original version of this algorithm is based on a look-ahead strategy, used for a tentative inclusion of a constraint to the problem, performed in each iteration. In the new enhanced version, we propose the inclusion of look-behind steps, which can be seen as the **reverse** of the **look-ahead procedure** . Therefore and using some **memory** features, the method can continue even when facing the traditional stopping criterion of the original algorithm. Computational experiments showing the effectiveness of the new method on benchmark instances are reported. copy 2005 Elsevier Ltd. All rights reserved. 29 Refs.

Descriptors: *Algorithms; Trees (mathematics); Graph theory; Constraint theory; Optimization; Problem solving; Computational methods

Identifiers: Metaheuristics; Repetitive methods; Second order algorithms; Capacitated minimum spanning tree problem

Classification Codes:

921.4 (Combinatorial Mathematics, Includes Graph Theory, Set Theory); 721.1 (Computer Theory (Includes Formal Logic, Automata Theory, Switching Theory & Programming Theory)); 921.5 (Optimization Techniques); 723.4 (Artificial Intelligence)

921 (Applied Mathematics); 721 (Computer Circuits & Logic Elements);

723 (Computer Software, Data Handling & Applications)

92 (ENGINEERING MATHEMATICS); 72 (COMPUTERS & DATA PROCESSING)

16/5/4 (Item 4 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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10665171 E.I. No: EIP05429421465

Title: High performance multimodal networks

Author: Hoel, Erik G.; Heng, Wee-Liang; Honeycutt, Dale

Corporate Source: Environmental Systems Research Institute, Redlands, CA 92373, United States

Conference Title: 9th International Symposium on Spatial and Temporal Databases, SSTD 2005

Conference Location: Angra dos Reis, Brazil Conference Date: 20050822-20050824

Sponsor: National Institute of Space Research - INPE, Brazil

E.I. Conference No.: 65767

Source: Lecture Notes in Computer Science Advances in Spatial and Temporal Databases: 9th International Symposium, SSTD 2005. Proceedings v 3633 2005.

Publication Year: 2005

ISSN: 0302-9743

Language: English

Document Type: CA; (Conference Article) Treatment: X; (Experimental)

Journal Announcement: 0511W1

Abstract: Networks often form the core of many users' spatial databases. Networks are used to support the rapid navigation and analysis of linearly connected data such as that found in transportation networks. Common types of analysis performed on such networks include shortest path, traveling salesman, allocation, and distance matrix computation. Network data models are usually represented as a small collection of tables: a **junction table** and an edge table. In the context of networks used to model transportation infrastructure, it is also necessary to model turn restrictions and impedances (delays). Network data is frequently persisted in normalized relational tables that are accessible via standard SQL-based queries. We propose a different approach where the network connectivity information is persisted using a compressed binary storage representation in a relational database. The connectivity information is accessible via standard Java, .NET, and COM APIs that are tailored to common access

patterns used in the support of high performance network engines. These network engines run on the client or application server tier rather than as extensions on the relational server. In this paper, we discuss the problem of building a robust and scalable implementation of a network data model. The fundamental and central requirements are enumerated. These requirements include support for hierarchical networks, turn restrictions, and logical z elevations. We propose a different approach to representing network topology that addresses many of the high-end modeling requirements of network systems. Our approach supports all of the listed requirements in addition to multimodal modeling (e.g., coexistent road, bus, and rail networks) within the context of multi-user, long transaction databases. copy Springer-Verlag Berlin Heidelberg 2005. 31 Refs.

Descriptors: *Computer networks; Traveling salesman problem; Servers; Mathematical models; Computational methods; Knowledge acquisition

Identifiers: Spatial databases; Transportation networks; Network engines; High-end modeling

Classification Codes:

912.3 (Operations Research); 921.5 (Optimization Techniques); 723.4 (Artificial Intelligence)

723 (Computer Software, Data Handling & Applications); 912 (Industrial Engineering & Management); 921 (Applied Mathematics); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING); 91 (ENGINEERING MANAGEMENT); 92 (ENGINEERING MATHEMATICS)

16/5/9 (Item 9 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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07360546 E.I. No: EIP96033102873

Title: Lower bounds for the union-find and the split-find problem on pointer machines

Author: La Poutre, Johannes A.

Corporate Source: Utrecht Univ, Utrecht, Neth

Source: Journal of Computer and System Sciences v 52 n 1 Feb 1996. p 87-99

Publication Year: 1996

CODEN: JCSSBM ISSN: 0022-0000

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical)

Journal Announcement: 9605W2

Abstract: A well-known result of Tarjan states that for all n and m greater than equivalent to n there exists a sequence of $n - 1$ Union and m Find operations that needs at least $\Omega(m \cdot a(m, n))$ execution steps on a pointer machine that satisfies the separation condition. Later the bound was extended to $\Omega(n \text{ plus } m \cdot a(m, n))$ for all m and n . In this paper we prove that this bound holds on a general pointer machine without the separation conditions and we prove that the same bound holds for the Split-Find problem as well. (Author abstract) 16 Refs.

Descriptors: *Computation theory; Data structures; Algorithms; Computer simulation; Inverse problems; Functions; Data storage equipment

Identifiers: Pointer machines; Split find problem; Union find problem; Tarjan states; Inverse Ackermann function

Classification Codes:

721.1 (Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory); 723.2 (Data Processing); 723.5 (Computer Applications); 722.1 (Data Storage, Equipment & Techniques)

721 (Computer Circuits & Logic Elements); 723 (Computer Software); 921 (Applied Mathematics); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

16/5/10 (Item 10 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)
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06440852 E.I. Monthly No: EI9206072902

Title: Decomposition of dynamic systems using inverse procedure of optimization.

Author: Shashixin, V. N.

Source: Avtomatika n 1 Jan-Feb 1991 p 45-52

Publication Year: 1991

CODEN: 500007

Language: Russian

Document Type: JA; (Journal Article) Treatment: A; (Applications); T; (Theoretical)

Journal Announcement: 9206

Abstract: A procedure is considered for synthesis of decentralized control for dynamic systems represented as a set of correlated subsystems. Parameters of the regulator are determined in solution of the Riccati equation of nonhigh dimensionality for subsystems and the Lyapunov equation for crossing links. Synthesized control possesses a property of optimality with regard to the obtained form of the modified functional of quality. Conditions of stability of the closed correlated system are obtained as inequalities for elements of matrix of correlations and matrices of the closed local subsystem parameters. The suggested procedure permits reducing computer expenditures both under synthesis of control of large-scale subsystems and under analysis of their stability. 10 Refs. In Russian.

Descriptors: *CONTROL SYSTEMS, PROGRAMMED--*Synthesis; MATHEMATICAL TECHNIQUES--Differential Equations; CONTROL SYSTEMS--Stability; OPTIMIZATION; MATHEMATICAL TECHNIQUES--Matrix Algebra

Classification Codes:

731 (Automatic Control Principles); 921 (Applied Mathematics)

73 (CONTROL ENGINEERING); 92 (ENGINEERING MATHEMATICS)

16/5/23 (Item 1 from file: 56)

DIALOG(R)File 56:Computer and Information Systems Abstracts
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0000251843 IP ACCESSION NO: 0127187

ANN model perceptron algorithm using generalized matrix inversion

Krishnamurthy, E V; Krishnamurthy, Vikram
Australian Natl Univ, Canberra, Aust

Parallel Computing, v 20, n 5, p 799-806, 1994
PUBLICATION DATE: 1994

PUBLISHER: Elsevier Science BV, P.O. Box 211, Amsterdam, 1000 AE

COUNTRY OF PUBLICATION: Netherlands

PUBLISHER URL: <http://www.elsevier.com>

PUBLISHER EMAIL: w.tukker@elsevier.nl

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

ISSN: 0167-8191

FILE SEGMENT: Computer & Information Systems Abstracts

ABSTRACT:

The application of generalized matrix inversion to artificial neural network model perceptron algorithm is described. This method permits real number inputs to the perceptron besides binary inputs, and can provide a solution that minimizes the mean-squared error. Further it can provide recursive improvement to the solution depending upon whether the new input

vector is linearly dependent or independent of the previous, input set of vectors; also this method permits to check for consistency of the solution. Thus redundancy and inconsistency can be checked. Also we point out the close relationship of Chu-Hsich algorithm to Ivakhnenko Group method of data handling (GMDH) that builds up a multinomial combination of input components. We illustrate this method using the problem of reconstruction of a magic square.

DESCRIPTORS: Neural networks; **Matrix** algebra; **Inverse** problems; Errors; Recursive **functions** ; Vectors; Redundancy; **Data** handling; Linear algebra; **Correlation** methods; Mathematical models; Artificial intelligence

IDENTIFIERS: Consistency check matrix; Magic square; Generalized matrix inversion

SUBJ CATG: C 921.6, Numerical Methods; C 723.1, Computer Programming; C 723.4, Artificial Intelligence; C 921.1, Algebra; C 723.2, Data Processing

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File 621:Gale Group New Prod.Annou.(R) 1985-2007/Sep 18
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File 636:Gale Group Newsletter DB(TM) 1987-2007/Sep 19
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File 16:Gale Group PROMT(R) 1990-2007/Sep 20
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File 160:Gale Group PROMT(R) 1972-1989
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File 674:Computer News Fulltext 1989-2006/Sep w1
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File 696:DIALOG Telecom. Newsletters 1995-2007/Sep 21
(c) 2007 Dialog
File 369:New Scientist 1994-2007/Aug w2
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Set	Items	Description
S1	2529092	TABLE? ? OR MATRIX OR MATRICE? ? OR GRID? ?
S2	23111698	OBJECT? ? OR ITEM? ? OR ENTRY OR ENTRIES OR ELEMENT? ? OR - RECORD? ? OR DATA OR INFORMATION OR CONTENT
S3	947252	S2(5N)(RELATIONSHIP? ? OR RELATED? ? OR CORRELAT???? OR AS- SOCIATION? ? OR CORRESPONDENCE? ? OR LINK? ? OR LINKAGE? ?)
S4	11522845	DIRECTIVE? ? OR INSTRUCTION? ? OR COMMAND? ? OR OPERATION? ? OR FUNCTION? ? OR PROCEDURE? ?
S5	9662	S4(5N)(OPPOSITE OR REVERSE OR INVERSE OR CONVERSE)
S6	232	S5(7N)(STOR??? OR SAV??? OR RETAIN??? OR MAINTAIN??? OR KE- PT OR KEEP???)
S7	93	S5(7N)(BUFFER? ? OR QUEU???? OR CACH??? OR RAM OR MEMORY)
S8	267	S5(5N)(SEARCH??? OR FIND??? OR LOOK??? OR QUERY??? OR QUER- IE? ? OR LOCAT????)
S9	11742	S1(10N)S3
S10	12	JUNCTION()TABLE? ?
S11	10	S6:S7(100N)S8
S12	0	S9:S10 AND S11
S13	1	S9:S10 AND S6:S8
S14	20757	S1(30N)S3
S15	102	(S14 OR S10) AND S5
S16	95	RD (unique items)
S17	61	(S9 OR S10) AND S5
S18	58	RD (unique items)
S19	42	S18 NOT PY=2002:2007
S20	9	RD S11 (unique items)
S21	42	S19 NOT S20

21/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01702825 SUPPLIER NUMBER: 16247014 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The case for S-Designor. (CASE software from SDP Technologies Inc.)
(Software Review) (Test Drives) (Evaluation)
Nesbitt, Kenn
Data Based Advisor, v12, n9, p18(2)
Sept, 1994
DOCUMENT TYPE: Evaluation ISSN: 0740-5200 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1397 LINE COUNT: 00113

...ABSTRACT: code needed to build the database and its tables, indexes and other features. Other major **functions** include **reverse** engineering of SQL DDL and passing conceptual information to fourth-generation languages (both in the...
... the physical model, S-Designor automatically creates the third table, called the associative table or **junction table**. If you generate a physical model and make changes to it, such as adding indexes...

21/3,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01681087 SUPPLIER NUMBER: 15353022 (USE FORMAT 7 OR 9 FOR FULL TEXT)
An approach for reverse engineering of relational databases. (excerpt from paper presented at the May 1993 Association of Computing Machinery/IEEE Computer Society's Working Conference on Reverse Engineering) (Tutorial)
Premerlani, William J.; Blaha, Michael R.
Communications of the ACM, v37, n5, p42(9)
May, 1994
DOCUMENT TYPE: Tutorial ISSN: 0001-0782 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 5031 LINE COUNT: 00418

... columns for all inherited attributes.
* Push subclass attributes up. Map the root superclass to a **table**, including columns for all subclass attributes. Each **record** will not populate all columns.
Associations. The most common association construct is the buried foreign key, used to implement binary associations...only automated portions of the process. In the longer term, we envision a toolkit of **reverse** -engineering **functions** for designers. A compiler is too rigid to be practical; reverse engineering requires frequent interaction... generalization. Derived identity is symptomatic of an implementation of generalization with distinct superclass and subclass **tables** or propagation of identity via a one-to-one **association**. **Data** analysis can increase confidence in the discovery of generalization by revealing subsets of records.
* Look...

21/3,K/3 (Item 3 from file: 275)
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01681086 SUPPLIER NUMBER: 15353016 (USE FORMAT 7 OR 9 FOR FULL TEXT)
DOD legacy systems; reverse engineering data requirements. (excerpt from paper presented at the May 1993 Association of Computing Machinery/IEEE Computer Society's Working Conference on Reverse Engineering)
Aiken, Peter; Muntz, Alice; Richards, Russ

Communications of the ACM, v37, n5, p26(16)

May, 1994

ISSN: 0001-0782

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 6060

LINE COUNT: 00530

... an information base for data migration planning. CIM/DAPMO initiated a project to develop a **reverse** engineering framework (consisting of **procedures**, method, and a tool set) and to validate the framework in a series of reverse...and data models must be developed to represent the policies, strategies, and tactics of organizational **operation**. Under the data **reverse** engineering framework, development of the models includes identification, refinement, validation, and linking of all business...

...even though this approach is generally used to optimize applications code design and streamline system **operations**. Using this approach the **reverse** engineering framework also identifies, extracts, and integrates the unique critical requirements contained in nondesignated legacy...data model is associated with an encyclopedia. Our model management approach defined standardized policies and **procedures** making it feasible for **reverse** engineering team members to review one another's work and understand information in other project...

...reverse-engineering life cycle. The information resources are physically stored in filing cabinets. The traceability **matrix** is used to identify and/or trace the **correlation** of **items** contained in the various models and document the satisfaction of business requirements and rules. The...

21/3,K/4 (Item 4 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2007 The Gale Group. All rts. reserv.

01613921 SUPPLIER NUMBER: 13901763 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Tools and utilities. (software packages that help database developers prototype and design applications, query, and create help systems, among other uses) (1993 Database Buyer's Guide Special Issue) (Buyers Guide)

DBMS, v6, n7, p63(33)

June 15, 1993

DOCUMENT TYPE: Buyers Guide

ISSN: 1041-5173

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 45702

LINE COUNT: 03876

... Run time: \$195.

ParaView FMS Inc., Vienna, VA 703-356-4700

Para View documents Paradox **tables**, fields, indexes, forms, and reports. ParaView analyzes **tables** for **record** sizes, optimization potential, **related** **objects**, and key fields. A quick display shows all forms and reports. Validity and image settings...they can work simultaneously on overlapping models. Includes an easy-to-use interface and entity- **relationship**, function hierarchy, **matrix**, and **data** flow diagrammers. Call for pricing.

Oracle Dictionary Oracle Corp., Redwood Shores, CA 415-506-7000 documentation at both the conceptual and physical levels. Also provides **reverse** -engineering **functions**. \$1,850.

SILVERRUN Computer Systems Advisors, Woodcliff Lake, NJ 201-391-6500

A multiplatform analysis...are a single-step, bidirectional link between the SAS System and an RDBMS. With the **Link** Products, users can transfer **data** from an RDBMS **table** or view to a SAS data set via a SQL statement without creating intermediate files...select, analyze, summarize, and present data from dBASE-compatible databases without programming. Users can draw **information** from up to 100 **related** database **tables**; create and customize user-defined functions; create professional reports using R&R's mouse-driven...

...and present data from windows or DOS dBASE-compatible database without programming. Users can draw **information** from up to 100 **related** database **tables** ; create and customize user-defined functions; and create professional reports, from labels to complex multipage...

...calculates formulas using field name values; supports standard formulas such as sum, count, and average; **links** **data** from multiple databases, groups **data** by field and prints subtotals; produces frequency **tables** and multiple cross-tabulations in a single table. Database size is limited only by system...

21/3,K/5 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01353672 SUPPLIER NUMBER: 08368346 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Making the CASE for true reverse-engineering tools. (computer-aided software engineering)(Applied Intelligence) (column)

Martin, James

PC Week, v7, n16, p52(1)

April 23, 1990

DOCUMENT TYPE: column ISSN: 0740-1604 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1264 LINE COUNT: 00105

... data redundancies, non-standard names and unused code.
Documentation is produced that lists cross-reference **tables** , structure charts and **relationships** between files, **records** and fields. An analyst can interact with the tool to resolve inconsistencies and restructure process...

...and process definitions up to the level of environment-independent specifications.

The figure illustrates the **functions** performed by a true **reverse** -engineering tool. **Reverse** -engineering of data **functions** are shown on the left of the figure; **reverse** -engineering of process **functions** are shown on the right.

As shown, conversion of data definitions into specifications is done
...

21/3,K/6 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2007 The Gale Group. All rts. reserv.

01252827 SUPPLIER NUMBER: 06895667 (USE FORMAT 7 OR 9 FOR FULL TEXT)
HP-RL: an expert systems language. (Hewlett-Packard Representation Language) (includes related article on HP-RL)

Rosenberg, Steven T.

Hewlett-Packard Journal, v39, n4, p57(9)

Aug, 1988

ISSN: 0018-1153 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 6643 LINE COUNT: 00526

... be used to maintain consistency in a MicroScope knowledge base by automatically calculating and recording **inverse** links. Here we see two **procedures** , Procedure-12 and Procedure-54. A daemon watches the Uses slot of these procedures. If...

CAPTIONS: Four tables of HP-RL applications and query examples. (**table**);
Five charts of HP-RL **data** **relationships** . (chart)

21/3,K/7 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

15148507 SUPPLIER NUMBER: 88760578 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Supply chain strategies, capabilities, and performance.(Statistical Data Included)

Morash, Edward A.
Transportation Journal, 41, 1, 37(18)
Fall, 2001
DOCUMENT TYPE: Statistical Data Included ISSN: 0041-1612
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 9790 LINE COUNT: 01043

... before focusing on one value discipline; and that this should also be visible in their data.[^]

Table 6 shows the correlation coefficients for 1,358 United States and Canadian firms on demand-side capabilities and supply...to accommodate delivery times for specific customers.

24. Reverse logistics timing: The ability to perform reverse logistics operations in a timely manner.

25. Delivery speed: The ability to reduce the time between order...

21/3,K/8 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

14186905 SUPPLIER NUMBER: 81259473 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Measuring producers' risk preferences: A global risk-attitude construct.(Statistical Data Included)

Pennings, Joost M.E.; Garcia, Philip
American Journal of Agricultural Economics, 83, 4, 993(17)
Nov, 2001
DOCUMENT TYPE: Statistical Data Included ISSN: 0002-9092
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 10287 LINE COUNT: 00932

... attitude.

Because the certainty equivalents are measured with error and not the utility levels, the inverse functions are estimated. The inverse exponential function can be expressed as

$$(3) (x_{sub.i}) = \ln(0.5((e^{sup.} - (cx_{sub.}...$$

...sub.h) represent the low and high outcomes of the 50/50 lottery, respectively. The inverse power function can be expressed as

(4) $(x_{sub.i}) = ((x_{sub.H}) - (x_{sub.L}))$ (0...during the rating process, the measurements can be viewed as independent, and estimation of the inverse functions is not necessary.

(9.) Reliability identifies whether variables are consistent with what they are intended...

...value of the lottery.

(12.) The null hypothesis in the Bartlett test is that the correlation matrix of the items in the scale is an identity. Rejecting the null hypothesis supports a factor model. The...

21/3,K/9 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

12364469 SUPPLIER NUMBER: 62797710 (USE FORMAT 7 OR 9 FOR FULL TEXT)
THE MONTHLY FOOD STAMP CYCLE: SHOPPING FREQUENCY AND FOOD INTAKE DECISIONS

IN AN ENDOGENOUS SWITCHING REGRESSION FRAMEWORK.

WILDE, PARKE E.; RANNEY, CHRISTINE K.

American Journal of Agricultural Economics, 82, 1, 200

Feb, 2000

ISSN: 0002-9092

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 7913

LINE COUNT: 00709

... raise first-period food intake in regime 0, while the income effect would have the **opposite** effect.

The unconditional food intake **function** for period t , which is denoted $(F_{\text{sub}.t})(S, C; (\theta), ((\theta)_{\text{sup}.*}))$, will...disturbances share a dependence on the stochastic element of (θ) . This type of cross-equation **correlation** is reflected in the **elements** $((\sigma)_{\text{sub}.0r})$ and $((\sigma)_{\text{sub}.1r})$ of the **matrix** (σ) .

Econometric Results

This section presents results for the final specification discussed above, which has...

21/3,K/10 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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12076621 SUPPLIER NUMBER: 62002258 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Minimum cost tolerancing under uncertain cost estimates.(Statistical Data Included)

GERTH, RICHARD J.; PFEIFER, TILO

IIE Transactions, 32, 6, 493

June, 2000

DOCUMENT TYPE: Statistical Data Included

ISSN: 0740-817X

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 6786

LINE COUNT: 00614

... reader is referred to Gerth (1). This project used only piecewise continuous and continuous CT **relationships**.

From the **information** in Table 1, the three curve forms are depicted in Figs. 2-4. As can be seen...in mm. The cost estimates were transformed into piecewise continuous or continuous curves using the **inverse power function** because it is one of the most general CT functions used in the literature. There...

...assumed in the academic literature. This is clearly due to the choice of the CT **function** as an **inverse power function**. Given the goal of CTSA, namely to determine which features are most sensitive to cost...

21/3,K/11 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2007 The Gale Group. All rts. reserv.

11582362 SUPPLIER NUMBER: 54064605 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Virtual deficits and the Patinkin effect.

Cardoso, Eliana

International Monetary Fund Staff Papers, 45, 4, 619(2)

Dec, 1998

ISSN: 0020-8027

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 8331

LINE COUNT: 00702

... relationship between real budget deficits and high inflation rates in Brazil. Such (TABULAR DATA FOR TABLE A4 OMITTED) (TABULAR DATA FOR TABLE A5 OMITTED) a **relationship** stems from the interaction of two forces. First, Brazil's tax system has been continuously...proposes a deficit finance model in which the budget deficit is represented by a linear **inverse function** of inflation.

3 If payment is postponed by 15 days, real outlays are reduced by...

21/3,K/12 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

10732401 SUPPLIER NUMBER: 53526837 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Quasi-likelihood regression with unknown link and variance functions.
Chiou, Jeng-Min; Muller, Hans-Georg
Journal of the American Statistical Association, 93, 444, 1376(1)
Dec, 1998
ISSN: 0162-1459 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 8050 LINE COUNT: 00696

... following weisberg and welsh (1994).
We note that $g(\text{center dot})$ is often called the **inverse link function** in the literature on generalized linear models. Furthermore, $(x.\text{sub}.i)$ is the nonrandom p...QLUE, and finally between bandwidth choices (CV), (D), and (P). The results for MSEs and **related** quantities are (TABULAR DATA FOR TABLE 3 OMITTED) presented in **Table 1**. Comparing rows 1 and 5 for (Mathematical Expression Omitted) and rows 9 and 13...

21/3,K/13 (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

10716454 SUPPLIER NUMBER: 53459691 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Easily display bit-map images on small-graphic LCDs.
Fitzsimmons, Todd
EDN, 43, 24, 134(1)
Nov 19, 1998
ISSN: 0012-7515 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 854 LINE COUNT: 00073

... Your internal program must disregard these zeros before going on with the 33rd byte of **data (Table 1)**.

TABLE 1- CORRELATION BETWEEN BIT-MAP RESOLUTION AND PADDED ZEROS

Bit-map resolution (pixels...	Padded zeros	Totals divisible
----------------------------------	--------------	---------------------

...user must perform an exclusive-OR with FFh to properly view the bytes. Without this **operation**, your picture would be the **inverse** image of your original picture. (DI #2295)

TO VOTE FOR THIS DESIGN, CIRCLE NO. 410...

21/3,K/14 (Item 8 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

10711170 SUPPLIER NUMBER: 53449293 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Bycatch control in multispecies fisheries: a quasi-rent share approach to the Bering Sea/Aleutian Islands midwater trawl pollock fishery.
Larson, Douglas M.; House, Brett W.; Terry, Joseph M.
American Journal of Agricultural Economics, 80, 4, 778(1)
Nov, 1998
ISSN: 0002-9092 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 8627 LINE COUNT: 00735

... price-dependent, and is identified through estimation of the

associated system of quasi-rent share functions , which are inverse demands for quotas of individual species.

The inverse demands directly reveal the marginal willingness to... which relate to the implications of changing aggregate harvest quotas. For management purposes, aggregate (TABULAR DATA FOR TABLE 1 OMITTED) production relationships are often more useful than firm-level technology estimates because they account for fleet size...

21/3,K/15 (Item 9 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

09317242 SUPPLIER NUMBER: 19028425 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Analysis of food-away-from-home expenditure patterns for U.S. households, 1982-89.

Byrne, Patrick J.; Capps, Oral, Jr.; Saha, Atanu
American Journal of Agricultural Economics, v78, n3, p614(14)
August, 1996

ISSN: 0002-9092 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 6890 LINE COUNT: 00605

... statistical package was used for empirical estimation of the expenditure equation using the PROC MODEL procedure .

The inverse mills ratio values are dependent on the results of the participation decision. With the exception...

...available upon request. The income terms were significant throughout the study period, supporting the positive relationship between income and likelihood (TABULAR DATA FOR TABLE 4 OMITTED) of FAFH purchase (table 4). Midwestern, southern, and western households exhibited significantly higher likelihood to purchase FAFH than northeastern...

21/3,K/16 (Item 10 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

09009683 SUPPLIER NUMBER: 18685754 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Decision frequency and synchronization across agents: implications for aggregate consumption and equity return. (includes appendix)

Lynch, Anthony W.
Journal of Finance, v51, n4, p1479(19)
Sep, 1996

ISSN: 0022-1082 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 7258 LINE COUNT: 00609

... can at least partially explain the low contemporaneous correlation with equity returns found in the data . Turning to the correlation numbers for the RA economy (also in Table II), large reductions in the low frequency correlations occur going from T = 1 to T...timing reflects the way returns and consumption are matched empirically.

14 Utility cost as a function of RRA is of the opposite sign to that found by Caballero (1992). He obtains a positive relation because wealth shocks...

21/3,K/17 (Item 11 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

08864569 SUPPLIER NUMBER: 18452991

Structural properties and psychometric qualities of organizational self-reports: field tests of connections predicted by cognitive theory.

Harrison, David A.; McLaughlin, Mary E.
Journal of Management, v22, n2, p313(26)
Summer, 1996

ISSN: 0149-2063 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 11669 LINE COUNT: 00967

... sub.SEC), and (INT.sub.PB) items on the other page. Other respondents received the **opposite** pattern.

Subjects and Procedures

The two questionnaire forms were distributed randomly to line-level employees of a chemical processing...identical analyses for the (INT.sub.FF), (INT.sub.CES), and (INT.sub.PB) items. **Table 3** shows that they yielded similar results. **Item** parameters and factor **correlations** significantly differed across grouping forms. Loadings were higher and error variances were lower in the...

21/3,K/18 (Item 12 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

07707126 SUPPLIER NUMBER: 16544023 (USE FORMAT 7 OR 9 FOR FULL TEXT)
3D studio offers exceptional customization. (Autodesk Inc's 3D Studio 4.0 modeling and animation software) (includes a related article detailing test methods) (Software Review) (Evaluation)

Heck, Mike
Infoworld, v17, n8, p83(5)
Feb 20, 1995

DOCUMENT TYPE: Evaluation ISSN: 0199-6649 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 6346 LINE COUNT: 00489

...ABSTRACT: 3D modules work extremely well, and receives excellent ratings. The Keyframer module includes the new **Inverse Kinematics function** that gives users an impressive amount of control over animation functions. The application also rates...

... DOS 3.3; 8MB RAM; 20MB hard disk space; Super VGA display; mouse or graphics **tablet**.

Pros: New **Inverse Kinematics function** lets you **link** and animate a group of **objects**; new Keyframer scripting language; fast preview rendering; new perspective matching plug-in tool lets you...with the degree of control now available when manipulating objects. The Keyframer module's new **Inverse Kinematics function** lets you link and animate a group of objects far more realistically than before. This is critical if you want to accurately simulate human motions such as running; the **Inverse Kinematics function** also lets you move mechanical parts that have a number of pivot points simply by...

21/3,K/19 (Item 13 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

07671551 SUPPLIER NUMBER: 16629928 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Benchmarking for environmental excellence. (Benchmarking)

Bhat, Vasanthakumar N.
Industrial Management, v37, n1, p9(3)
Jan-Feb, 1995

ISSN: 0019-8471 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1968 LINE COUNT: 00174

... gathering. Benchmarking evaluates competitors and organizations even from other industries that excel in a particular **function**. **Reverse engineering** focuses on the finished product. However, benchmarking reviews

all aspects of a product including...findings with the top management committee

- * Develop action plans
- * Implement the plan
- * Audit the implementation

RELATED ARTICLE: TABLE 2

Data Items to be Collected

- * Design information such as process flow diagrams, etc.;
- * Environmental information such as...

21/3,K/20 (Item 14 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

07544985 SUPPLIER NUMBER: 15794473 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Petroleum fraction distillation interconversions. (Process Technology)
Daubert, Thomas E.
Hydrocarbon Processing, v73, n9, p75(4)
Sept, 1994
ISSN: 0018-8190 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2276 LINE COUNT: 00234

... a few cuts, cross-correlations and two-step checks were necessary to establish a reliable data bank for correlation development.

Table 1. Sources for experimental data

Number of

Source distillations ASTM D86 TBP SD
Geddes (1941...2] + [[delta] TBP.sub.1] (3f)

To determine the ASTM D86 temperatures from TBP temperatures, reverse the procedure by solving Eqs. 1 and 2 for ASTM temperatures or temperature differences. Then modify Eq...

...data are in Table 5: Data scatter at the initial boiling point for all published data preclude correlation.

Table 5. TBP/SD correlation errors

TBP (predicted) - TBP (experimental)

Percent distilled Average, [degrees]F Bias...ASTM.sub.2] +
[[delta] ASTM.sub.1] (9f)

Average absolute and bias errors for the correlation when compared to a data bank containing 125 data sets are in Table 7. Because initial and final boiling point data are inaccurate, values at these points should ...

21/3,K/21 (Item 15 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

06792664 SUPPLIER NUMBER: 14894825 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Error handling in office work with computers: a field study.
Brodbeck, Felix C.; Zapf, Dieter; Prumper, Jochen; Frese, Michael
Journal of Occupational and Organizational Psychology, v66, n4, p303(15)
Dec, 1993
ISSN: 0963-1798 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 8296 LINE COUNT: 00662

... errors and errors on the intellectual level of regulation.
Error handling time and emotional reactions

Table 4 presents the data on the relationship between error

handling time and negative emotional reactions which were recorded by the observers (signs...strategy that can be of specific help error handling time. It allows the user to **reverse** an **operation** and to achieve the status quo ante by typing one key (Yang, 1987).

However, the...

21/3,K/22 (Item 16 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

05456838 SUPPLIER NUMBER: 11149514 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Emerging technologies for network management: net management technologies are altering the balance between human and automated systems. A peek at your network's future.

Swanson, Raymond H.
Business Communications Review, v21, n8, p53(6)
August, 1991

ISSN: 0162-3885 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 4460 LINE COUNT: 00361

... trend, their output can be used by the rule-based expert system to choose corrective **procedures** needed to **reverse** the trend just discovered.

This automation of trend analysis, problem determination and corrective procedures can...object's related data in one continuous portion of memory.

In a relational database, the **data** are organized in **tables**, and **links** must be established between **table entries** to completely define a particular piece of equipment. For example, links would need to be...

21/3,K/23 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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02576420 230753981
Distinguishing between manufacturer power and manufacturer salesperson power

James E Zemanek Jr; William M Pride
Journal of Business & Industrial Marketing v11n2 PP: 20-34 1996
ISSN: 0885-8624 JRNL CODE: JBI
WORD COUNT: 6490

...TEXT: four for "strongly agree" to zero for "strongly disagree." The responses to unfavorable statements were **reverse** -scored. This **procedure** created satisfaction measures with a range of zero to twenty, the higher values suggesting greater...

...manufacturer power.

Evidence for discriminant validity of the measures is provided by comparison of the **correlation** coefficients among the **item** -summed scales and their reliability values (the correlation **matrix**, showing the intercorrelations among all of the variables is given in Table II). This form...

21/3,K/24 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rts. reserv.

02494998 116355908
Conversational effectiveness in multimedia communications

Marshall, Catherine R.; Novick, David G.
Information Technology & People v8n1 PP: 54 1995
ISSN: 0959-3845 JRNL CODE: OTP
WORD COUNT: 8986

...ABSTRACT: each task, effectiveness varied as a significant function of modality. However, the directions of these **functions** were **opposite**. That is, for the visual task conversants were more effective in the face-to-face...
...TEXT: $p = 0.09$).

These findings and the results of other pairwise comparisons are summarized in **Table III**.

Performance **data** versus questionnaire **data**

Examining the **correlations** between performance in the tangram construction task and the 13 questionnaire items, we find that...to-face groups. These findings and the results of other pairwise comparisons are summarized in **Table VI**.

Performance data versus questionnaire **data**

There were no significant **correlations** between the 13 questionnaire **items** and team solution score or teamwork score. Of particular interest was the low correlation between...

21/3,K/25 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rts. reserv.

02376423 124412041
Supply chain strategies, capabilities, and performance
Morash, Edward A
Transportation Journal v41n1 PP: 37-54 Fall 2001
ISSN: 0041-1612 JRNL CODE: TRN
WORD COUNT: 8536

...TEXT: before focusing on one value discipline; and that this should also be visible in their **data**.

Table 6 shows the **correlation** coefficients for 1,358 United States and Canadian firms on demand-side capabilities and supply...to accommodate delivery times for specific customers.

24. Reverse logistics timing: The ability to perform **reverse logistics operations** in a timely manner.

25. Delivery speed: The ability to reduce the time between order...

21/3,K/26 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rts. reserv.

02372849 116349603
Polychronicity and the Inventory of Polychronic Values (IPV) The development of an instrument to measure a fundamental dimension of organizational culture
Bluedorn, Allen C; Kalliath, Thomas J; Strube, Michael J; Martin, Gregg D
Journal of Managerial Psychology v14n3/4 PP: 205-230 1999
ISSN: 0268-3946 JRNL CODE: JMN
WORD COUNT: 10278

...TEXT: the attempt to fit the same factor loadings to three large data sets.

Because alternative **procedures** have been suggested for testing **reverse** scoring effects (e.g. Alwin and Krosnick, 1985; Harvey et al., 1985), we conducted a second test for a **reverse** scoring effect using the **procedure** recommended by Alwin and Krosnick (1985). This method involves the estimation of a model specified...or judges are required to make observations about each group (department). Because some of the **data** upon which the **correlations** in **Table VII** are based came from single observers (sometimes only one individual was included from very...

21/3,K/27 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rts. reserv.

02243593 84987210
Exploring the relationship between information technology, infrastructure and business process re-engineering
Bhatt, Ganesh D
Business Process Management Journal v6n2 PP: 139 2000
ISSN: 1463-7154 JRNL CODE: BPMT
WORD COUNT: 9057

...TEXT: diverge from other constructs. To test divergent validity of the instrument, all of the multi- **item** measures and factors were **correlated**. **Table IV** shows that average **correlation** between the scale and scale-**items** was substantially higher than between the scale and non-scale items.

Table V presents a...ID5. Definition of key data elements (e.g.,customer, order no., vendor ID) are standardized (**reverse** coding).

ID6. All **function** areas use the same logical coding scheme to represent information (**reverse** coding).

ID7. All **function** areas use the same document format standard in sharing technical documents (reverse coding).

3. Process

21/3,K/28 (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rts. reserv.

02110808 66979810
The information content of losses: shareholder liquidation option and earnings reversals
Sin, Samantha; Watts, Edward
Australian Journal of Management v25n3 PP: 327-338 Dec 2000
ISSN: 0312-8962 JRNL CODE: AJM
WORD COUNT: 4460

...TEXT: the decision to liquidate in order to give management an opportunity to implement changes to **operations** to **reverse** the loss to profit in future periods (John, Lang & Netter 1992). In either case, the... economic activities in the late 80s, which persisted for a number of years.

4. Information **Content** of Losses

Table 1

The **Relationship** Between Share Returns and Losses for all Firms 4.3

We first investigate the information...

21/3,K/29 (Item 7 from file: 15)
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01916546 05-67538

The performance-importance response function: Observations and implications
Sampson, Scott E; Showalter, Michael J
Service Industries Journal v19n3 PP: 1-25 Jul 1999
ISSN: 0264-2069 JRNL CODE: SIJ
WORD COUNT: 8201

...TEXT: correlation was used since both parameter sets are ordinal data.)
The results are shown in **Table 3**.

Observe that for 9 of the 11 **items**, the **correlation** between importance and performance is non-zero at a significance level <0.001 . Only two...

...importance and performance the performance-importance response function (or PIR function) for FOOD. The PIR **function** in Figure 3 indicates an **inverse** relationship between importance and performance. Later in this section, the causal nature of the PIR...

21/3,K/30 (Item 8 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01611582 02-62571

Risk assessment and contingency estimating
Moselhi, Osama
Transactions of AACE International PP: 90-95 1997
ISSN: 1074-7397 JRNL CODE: AEE
WORD COUNT: 3654

...TEXT: overrun. Based on the definition given in the Cost Engineers' Notebook [1], contingency is an **inverse function** of risk undertaken by management at an associated probability of occurrence. Accordingly, the greater the...

...definition, which is understood and accepted by the owner . . . the above definition makes contingency an **inverse function** of the risk assumed for the probability of the occurrence of any of the above...with known variances ($V_{sub 1}$, $V_{sub 2}$, ..., $V_{sub m}$), respectively, and the **correlation** among the cost **items** be represented by the **correlation matrix** $R = ((\rho)_{sub fj}, i, j=1, 2, \dots, n)$. It can be shown [14] that...

...compared to those obtained using PERT (central limit theory), and Monte Carlo with and without **correlations** among the project cost **items** (see **table 1**). It is interesting to note that despite the simplicity of the proposed method, it...

21/3,K/31 (Item 9 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01597072 02-48061

Barriers to entry and industrial performance in China
Yang, Guo Biao
International Review of Applied Economics v12n1 PP: 39-51 Jan 1998

ISSN: 0269-2171 JRNL CODE: IRAE
WORD COUNT: 5508

...TEXT: because they are not significant and have negative coefficients in the comparison of all different **function** forms, which is **opposite** to the theory of barriers to entry.10

The result of comparison is that a...equations

It can be noted from Equations (2-3), (2-5) and (2-7) in **Table 3** that the index of barriers to **entry** (B) is not positively **related** to the profitability of each of the three groups because all R2 values of these...

21/3,K/32 (Item 10 from file: 15)
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01568058 02-19047
Retail impact analysis with loosely coupled GIS and a spreadsheet
Klosterman, Richard E; Xie, Yichun
International Planning Studies v2n2 PP: 175-192 Jun 1997
ISSN: 1356-3475 JRNL CODE: IPS
WORD COUNT: 6091

...TEXT: conditions in specified input and constraint cells. They also provide 'back-solving' or 'goal-seeking' **functions** which can be used to **reverse** the traditional what-if process by identifying a desired output value for a specified cell...data are then linked to ArcView map features and can be used to prepare maps, **tables** and charts containing these **data**. The **data** links are temporary and are automatically over-written if a new set of sales data are...

21/3,K/33 (Item 11 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01327063 99-76459
Anchoring data quality dimensions in ontological foundations
Wand, Yair; Wang, Richard Y
Communications of the ACM v39n11 PP: 86-95 Nov 1996
ISSN: 0001-0782 JRNL CODE: ACM
WORD COUNT: 6345

...TEXT: two states in RW sub L are mapped into the same state in ISL (the **inverse** mapping is a **function**).

Our analysis of data deficiencies is based on deviations from the conditions of Definition 3...1. Intrinsic data quality dimensions

(Table Omitted)

Captioned as: Table 2. Notable data quality dimensions

(**Table** Omitted)

Captioned as: **Table 3. Data** quality dimensions as **related** to the internal or external views
These dimensions can be categorized based on the definitions...

...Since we exclude interface issues from our model, we include them in the external view. **Table 3** also indicates whether a dimension is **related** to the **data** or to the system. Note, timeliness appears as related to both

the internal and external...

21/3,K/34 (Item 12 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01268459 99-17855

Function probe

Confrey, Jere; Maloney, Alan

Communications of the ACM v39n8 PP: 86-87 Aug 1996

ISSN: 0001-0782 JRNL CODE: ACM

WORD COUNT: 718

...TEXT: voices.

Features

Data table. Unlike a simple spreadsheet, which acts at the cell level, the **table** handles functions as **relationships** among **data** columns. Operations act on individual or linked columns of data. Among the many easily accessible...

...time and can then be used in the table or graph windows. Trig and log **functions** and **inverse functions** can be used as needed; degrees and radians can be used interchangeably. Logs can be...

...devices enable users to record their actions on the graph, the calculator, and the data **table**, facilitating the writing of lab reports.

Links to other **data**-gathering devices. **Data** can be imported from motion detectors, other data displays, and video tracking/recording devices.

Conclusions...

21/3,K/35 (Item 13 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01243350 98-92745

Proving how HFC networks can offer 99.99% reliability

Wilk, Tim

Telephony v230n26 PP: 156-164 Jun 24, 1996

ISSN: 0040-2656 JRNL CODE: TPH

WORD COUNT: 2170

...TEXT: the last three years and used a current CATV HFC architecture.

* Each system had active **reverse** plant in **operation**.

* Each system emphasized repair and maintenance programs, including extended hourly scheduling of repair crews and...

...mean time to repair (MTTR) for each network component. The Northeast site also retained a **record** of all drop-related problems, which provided an additional 4717 events. **Table 1** summarizes the actual failure data and MTTR for each site by category.

(Table Omitted...

21/3,K/36 (Item 14 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)
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01077109 97-26503

Monte-Carlo simulation methods for engineered wood systems

Taylor, S E; Triche, M H; Bender, D A; Woeste, F E
Forest Products Journal v45n7,8 PP: 43-50 Jul/Aug 1995
ISSN: 0015-7473 JRNL CODE: FPJ
WORD COUNT: 6591

...TEXT: the correlated variables begins by generating vectors from the multivariate normal distribution using the correlation **matrix**, Σ . Although these vectors will have **data** with the correct **correlation** structure, they will all be normally distributed. A transformation is then used to convert the...

...i.e., $U(0,1)$. These uniformly distributed vectors are then substituted into their appropriate **inverse** cumulative-distribution **functions** to obtain vectors of correlated observations from the correct univariate probability distributions.

This nonlinear transformation...

...non-normal distributions exactly preserves the univariate distribution of each variable and results in simulated **data** with a **correlation matrix** that closely approximates the original **matrix**. Experience with various lumber properties data sets indicated that the method preserves correlations with good...

...factorization of the correlation matrix into a lower triangular matrix. To perform this factorization, the **matrix** must be positive definite. Unfortunately, complete **correlation information** on the variables of interest is not always available to researchers. For example, it is...

...Kumar et al. (16) when they presented an interactive approach for generating a positive definite **correlation matrix** using subjective **information**. Their procedure uses a recursive square-root method for factorizing a positive definite matrix to...

...two variables, given the correlation of the variables with all previously entered variables in the **matrix**. This technique should be a helpful tool in developing **correlation matrices** when **data** sample sizes are small or when data are incomplete.

This multivariate method has been successfully...

21/3,K/37 (Item 15 from file: 15)

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00854672 95-04064

An approach for reverse engineering of relational databases

Premarlani, William J; Blaha, Michael R
Communications of the ACM v37n5 PP: 42-49+ May 1994
ISSN: 0001-0782 JRNL CODE: ACM
WORD COUNT: 4833

...TEXT: columns for all inherited attributes.

* Push subclass attributes up. Map the root superclass to a **table**, including columns for all subclass attributes. Each **record** will not populate all columns.

Associations . The most common association construct is the buried foreign key, used to implement binary associations...only automated portions of the process. In the longer term, we envision a toolkit of **reverse -engineering functions** for designers. A compiler is too rigid to be practical; reverse engineering requires frequent interaction...generalization. Derived identify is symptomatic of an implementation of generalization with distinct superclass and subclass **tables** or propagation of identity via a one-to-one **association** . **Data** analysis can increase confidence in the discovery of a generalization by revealing subsets of records...

21/3,K/38 (Item 16 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00854671 95-04063
DoD legacy systems
Aiken, Peter; Muntz, Alice; Richards, Russ
Communications of the ACM v37n5 PP: 26-41 May 1994
ISSN: 0001-0782 JRNL CODE: ACM
WORD COUNT: 5819

...TEXT: an information base for data migration planning. CIM/DAPMO initiated a project to develop a **reverse engineering framework** (consisting of **procedures** , methods, and a tool set) and to validate the framework in a series of reverse...and data models must be developed to represent the policies, strategies, and tactics of organizational **operation** . Under the data **reverse engineering framework**, development of the models includes identification, refinement, validation, and linking of all business...even though this approach is generally used to optimize applications code design and streamline system **operations** . Using this approach the **reverse engineering framework** also identifies, extracts, and integrates the unique critical requirements contained in nondesignated legacy...associated with an encyclopedia.(Figure 11 omitted) Our model management approach defined standardized policies and **procedures** making it feasible for **reverse engineering team members** to review one another's work and understand information in other project...reverse-engineering life cycle. The information resources are physically stored in filing cabinets. The traceability **matrix** is used to identify and/or trace the **correlation** of **items** contained in the various models and document the satisfaction of business requirements and rules. The...

21/3,K/39 (Item 17 from file: 15)
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00769125 94-18517
An organizational context for CASE innovation
Rai, Arun; Howard, Geoffrey S
Information Resources Management Journal v6n3 PP: 21-34 Summer 1993
ISSN: 1040-1628 JRNL CODE: RMJ
WORD COUNT: 8797

...TEXT: a single technological innovation, it clearly consists of many separate aspects--diagramming, documentation, forward and **reverse engineering functions** , strategic systems planning e. ISDs explore these aspects by actually importing selected CASE tools. Experimental...reengineering efforts for old applications. Only one of them claimed to have a well integrated **data repository** in place.

OBSERVED RELATIONSHIPS

Table 3 (**Table 3** omitted) summarizes the key organizational context

enablers and inhibitors of CASE technology identified during...

21/3,K/40 (Item 18 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00726486 93-75707

The Random Walk in Canadian Output

Serletis, Apostolos

Canadian Journal of Economics v25n2 PP: 392-406 May 1992

ISSN: 0008-4085 JRNL CODE: CJE

WORD COUNT: 3338

...TEXT: footnote 2--thereby making the choice of both $T_{sub B}$ and l to be **correlated** with the **data**.

Table 6 presents results in the same fashion as **table 5**, except that now the $T_{sub B}$ (= T_{lamda}) that minimize the one-sided $t...$

...is rejected at the 5 per cent level. Thus, by endogenizing the break point selection **procedure**, I cannot **reverse** the earlier conclusions (based on Perron's 1989 test procedure). In fact, by endogenizing the...

21/3,K/41 (Item 19 from file: 15)

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00722056 93-71277

A gravity model analysis of the effect of regional policies to attract foreign tourists

Webster, Elaine; Patton, Spiro G; Zech, Charles E

Journal of Applied Business Research v9n2 PP: 19-24 Spring 1993

ISSN: 0892-7626 JRNL CODE: JRH

WORD COUNT: 3382

...TEXT: the purpose of travel to the United States from several key foreign origins for 1986. (**Table 1** omitted) while not all foreign travel is tourist **related**, the **data** clearly shows that the majority of foreign travelers do arrive for "pleasurable purposes".

In his...

...to destination i as a direct function of each point's population and as an **inverse function** of the distance between the two points. Population serves as a proxy for the forces...

21/3,K/42 (Item 20 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00635572 92-50512

Design Considerations for Distributed Applications

Rofrano, John J., Jr.

IBM Systems Journal v31n3 PP: 564-589 1992

ISSN: 0018-8670 JRNL CODE: ISY

WORD COUNT: 11842

...TEXT: caused by transactions, all this is based on manual calculations using the size of the **data record**, communications **link**, and approximate frequency of access. By using the **matrix** a column at a time, leaving the credit check function for last, we obtain the...application

development. What is important is the next step, which is to define how the **objects** and actions are **related** through the use of an **object /action matrix** .

At this stage, examine the data placement and see if the data can be placed ...in the old hierarchical model, where the function called the user interface rather than the **reverse** .

Take one distributed **function** and code it from start to finish. Then use it on a "real" network to...